

ABSTRACT

The present invention provides a method of reducing intraocular pressure by
5 administering pharmaceutical compositions comprising indole derivatives. The pharmaceutical
compositions useful in this invention comprise indole derivatives and melatonin analogs of
Formulae I-IV. A preferred embodiment is a method of lowering intraocular pressure using 5-
(methoxycarbonylamino)-N-acetyltryptamine (5-MCA-NAT), also known as GR 135531, which
has a prolonged duration of action and greater efficacy in lowering intraocular pressure compared
10 to melatonin. The present invention further provides a method of treating disorders associated
with ocular hypertension, and a method of treating various forms of glaucoma; the method
comprises administering an effective dose of a pharmaceutical composition comprising an indole
derivative with or without agents commonly used to treat such disorders.

